



Lloyd's
Register

Type Approval Certificate

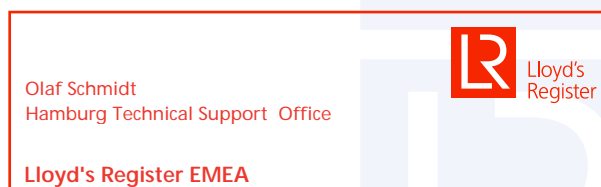
This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate supersedes certificate number 06/20016 (E2) issued on 20.02.2012 which is hereby cancelled.

This certificate is issued to:

PRODUCER	VOSS Fluid GmbH Lüdenscheider Straße 52 – 54 51688 Wipperfürth Germany
DESCRIPTION	Compression Couplings 24°, series L and S, made of steel and stainless steel according to DIN 3859-1
TYPE	VOSSForm ^{SQR}
APPLICATION	General use in marine, offshore and industrial piping systems, classed or intended for Classification with Lloyd's Register <u>Restrictions</u> Couplings with seals sensitive to heat are not acceptable in the following locations : <ol style="list-style-type: none">1. Starting/control air and CO₂ systems.2. Inside machinery spaces of category A or accommodation spaces for main lines of inert gas systems.3. Fire main, water spray and sprinkler systems or similar which are not always filled with water.

Certificate No.	06/20016 (E3)
Issue Date	03 May 2016
Expiry Date	06 April 2021
Sheet	1 of 2



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STANDARD

Lloyd's Register Rules and Regulation for the Classification of Ships, 2016 and IACS P2.11 including wet fire endurance test for couplings with seals sensitive to heat.

RATINGS

LIGHT GAUGE (L)		HAEVY GAUGE (S)	
Pipe O.D. [mm]	Nom. Press.[bar]	Pipe O.D.[mm]	Nom. Press.[bar]
6-10	500	6-10	800
12-18	400	12-16	630
22-42	250	20-38	420
Seal material		Temperature Range (°C)	
FPM		-25°C to 200°C	

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HMD 17033-06, issue no. 3 dated 03.05.2016 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 06/20016 (E3)
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